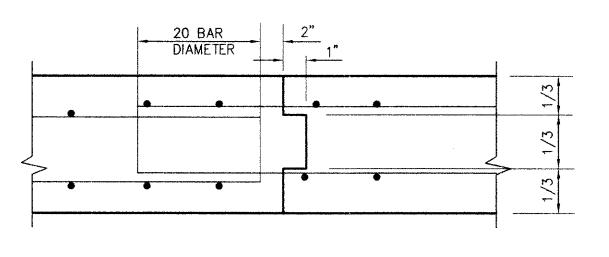
- 1. DIMENSIONS FROM FACE OF CONCRETE TO STEEL ARE TO CENTER OF BAR. UNLESS OTHERWISE SHOWN.
- 2. CONCRETE DIMENSIONS SHALL BE MEASURED HORIZONTALLY OR VERTICALLY ON THE PROFILE, AND PARALLEL TO OR AT RIGHT ANGLES (OR RADIALLY) TO CENTER LINE OF CONDUIT ON THE PLAN EXCEPT AS OTHERWISE SHOWN.
- 3. ALL BAR BENDS AND HOOKS SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE'S "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ", 1995 EDITION, SECTIONS 7.1 AND 7.2
- 4. PLACING OF REINFORCEMENT SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE'S "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", 1995 EDITION, SECTION 7.5
- 5. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, TRANSVERSE JOINT KEYWAYS (IN SLABS AND WALLS), SHALL BE PLACED AT THE END OF EACH POUR, BUT THE SPACING THEREOF SHALL NOT EXCEED 50 FEET OR BE LESS THAN 10 FEET, ALL CONSTRUCTION JOINTS IN BOTTOM SLAB, TOP SLAB, AND SIDE WALLS SHALL BE IN THE SAME PLANE AND NORMAL OR RADIAL TO THE CENTERLINE OF CONSTRUCTION. NO STAGGERING OF JOINTS SHALL BE PERMITTED.
- 6. TRANSVERSE REINFORCING STEEL SHALL TERMINATE ONE AND ONE-HALF INCHES FROM THE CONCRETE SURFACES UNLESS OTHWISE SHOWN ON THE STRUCTURAL DETAILS.
- 7. EXPOSED EDGES OF CONCRETE MEMBERS SHALL BE ROUNDED OR BEVELED.
- 8. NO SPLICES IN TRANSVERSE STEEL REINFORCEMENT SHALL BE PERMITTED OTHER THAN SHOWN ON THE DRAWINGS WITHOUT APPROVAL OF THE ENGINEER. NO MORE THAN 2 SPLICES SHALL BE PERMITTED IN ANY LONGITUDINAL BAR BETWEEN TRANSVERSE JOINTS. SPLICES SHALL BE STAGGERED.
- 9. LONGITUDINAL STEEL SHALL BE LAPPED 20 BAR DIAMETERS AT SPLICES TRANSVERSE STEEL SHALL BE LAPPED 30 BAR DIAMETERS AT SPLICES.
- 10. UNLESS OTHERWISE SHOWN ON THE DETAILS, IN CURVED SECTIONS TRANSVERSE BARS SHALL BE PLACED REDIALLY. THE SPACING OF STRAIGHT TRANSVERSE BARS IN TOP AND BOTTOM SLABS SHALL BE MEASURED AT THE CENTERLINE OF CONSTRUCTION. THE SPACING OF STRAIGHT BARS AND L-BARS IN WALLS SHALL BE MEASURED BETWEEN THE VERTICAL LEGS OF BARS.
- 11. D-BARS MAY BE SPLICED 20 BAR DIAMETERS AT THE LOWER LONGITUDINAL CONSTRUCTION JOINT, AT CONTRACTOR'S OPTION.
- 12. AT THE BEGINNING AND ENDING OF ALL POURS, A CURTAIN OF REINFORCEMENT COMPOSED OF B, C, C2, D, F, G, AND H BARS SHALL BE PLACED THREE INCHES FROM THE TRANSVERSE CONSTRUCTION JOINTS.
- 13. TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE PLACED WITHIN 30 INCHES OF MANHOLE OR JUNCTION STRUCTURE OPENINGS.
- 14. LONGITUDINAL STEEL SHALL BE CONTINUOUS AND EXTEND THROUGH ALL CONSTRUCTION JOINTS.
- 15. IN ALL SECTIONS C AND C2 BARS SHALL BE LAPPED. THE VERITICAL LENGTH OF C AND C2 BARS HAS BEEN CALCULATED FOR A FOUR-INCH STARTER WALL. IF THE HEIGHT OF THE STARTER WALL IS VARIED CORRESPONDINGLY SO AS TO MAINTAIN A 30 BAR DIAMETER LAP BETWEEN THE TWO BARS. THE LAPS SHALL BE BASED ON THE SMALLER BAR.
- 16. CONCRETE QUANTITIES ARE BASED ON A SIX-BY-SIX INCH FILLET AND THE STEEL QUANTITIES DO NOT INCLUDE ANY OPTIONAL SPLICES.
- 17. IF WALL THICKNESS IS SIX INCHES, REINFORCEMENT SHALL BE PLACED AT THE CENTER OF THE WALL.

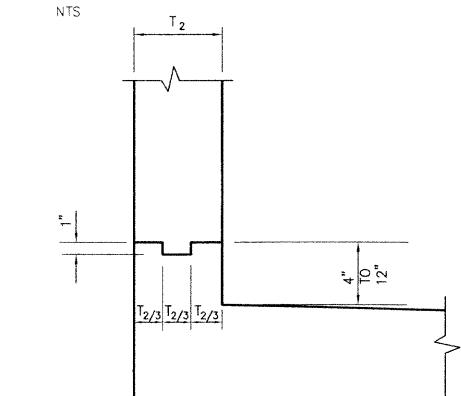
DESIGN COVER	BOX SECTION			1	2	3	4						
WIDTH													
HEIGHT H 5-0" 5-0" 8-0" 8-0" 8-0" TOP SLAB THICKNESS T1 2s" 12 1/2" 13 1/4" 14 SIDE WALL THICKNESS T2 1:5" 9 3/4" 14 3/4" 15 1/2" BOTTOM SLAB THICKNESS T3 24 1/4" 13 3/4" 14 3/4" 15 1/2" BOTTOM SLAB THICKNESS T3 12 1/4" 13 3/4" 14 3/4" 15 1/2" CONCRETE COVER (3" MIN.) Y 3 1/2" 3 1/2" 3 1/2" 3 1/2" 3 1/2" B BAR NO. 8 SPACING 90" 80 10" 90 11" 90 11" 19 90 11" 19 11"			W										
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BOTTOM SLAB													
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SILLE LOU. / LIN. 11.	STEEL												

R C BOX LOCATION SCHEDULE									
BOX	STATI	ON	BOX	STATION					
SECT.	FROM	TO	SECT.	FROM	TO				
1	10+00.00	10+90.00							
2	10+90.00	12+07.00							
3	12+07.00	12+27.00							
4	12+27.00	12+48.65							



CONSTRUCTION JOINT DETAILS

TRANSVERSE JOINT



 $W_{1/2}$

SYM. ABOUT C/L-

B & B1 BARS-

ALL LONGITUDINAL BARS

SHALL BE #4 @ 18" c.f., EXCEPT BOTTOM FACE

DISTRIBUTION REINFORCEMENT

OF TOP SLAB WHEN

IS REQUIRED.

LONGITUDINAL BARS

F & F1 BARS~

TYPICAL RC BOX SECTION

G BAR -

←D-BAR

DISTRIBUTION REINFORCEMENT —

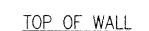
OPTIONAL-CONST. JOINT

C1- BAR-

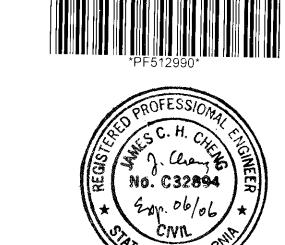
C-BAR~

CONST. JOINT

C & C 3 BARS



BASE OF WALL



LONGITUDINAL	JOINT
NTS	

C 25119

STORM DRAIN PLANS IN D.S. NO. 508 P.D. NO. 2530

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS



PREPARED BY: & ASSOCIATES

6345 Balboa Blvd. Suite 140 Encino, California 91316 (818) 343—5384

STRUCTURAL DESIGN CRITERIA L.A.C.F.C.D. STRUCTURAL DESIGN MANUAL DATED APRIL 1982

LIVE LOAD H20-S16-44 UNLESS OTHERWISE NOTED DEAD LOAD EARTH LOAD PER MARSTONS FORMULA: W = 130 P C F KU = KU' = 0.150BD = OUTSIDE WIDTH OF B = PLUS 3 FEETSIDE EARTH PSF PER FOOT OF DEPTH WEIGHT OF CONCRETE: 150 S.C.F. ALLOWABLE STRESSES F'c = 4000 PSI AT 28 DAYSFc = 1800 PSIFs = 24,000 PSISHEAR AND BOND STRESSES PER A.C.I. 318-63

REVISIONS REVISED BY APPROVED BY DATE REVIEWED LAND DEVELOPMENT DIVISION BY But Hand SUBDIVISION PLAN CHECKING SECTION 12/02/02

P:\0084.01 Rye Canyon-Aita Vista\Eng\Sd\Plan Set\SHT08.dwg

SHEET 8 OF 12